

Comparisons of Job Characteristics

Focus Occupation: **Dental Laboratory Technicians (51-9081)**

Associated Occupation: **Prosthodontists (29-1024)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 60

Focus Occupation: Dental Laboratory Technicians (51-9081)

Associated Occupation: Prosthodontists (29-1024)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Medicine and Dentistry	3.7	22.3	11.5	<<	Extensive education and/or training may be required
Psychology	6.4	13.5	4.3	<<	Extensive education and/or training may be required
Biology	3.7	12.4	3.1	<<	Extensive education and/or training may be required
Chemistry	4.8	11.5	7.8	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	10.7	7.2	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	9.8	5.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 54

Focus Occupation: Dental Laboratory Technicians (51-9081)

Associated Occupation: Prosthodontists (29-1024)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Social Perceptiveness	9.1	12.2	6.1	<<	Extensive development of skills in this area may be required
Service Orientation	7.9	10.5	4.4	<<	Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	10.0	6.9	<<	Extensive development of skills in this area may be required

Operations Analysis	5.0	9.3	3.4	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 88			
Focus Occupation: Dental Laboratory Technicians (51-9081) Associated Occupation: Prosthodontists (29-1024)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Near Vision	11.1	14.1	14.2	0	Current ability level may be sufficient
Oral Expression	12.4	13.3	9.2	<<	Extensive improvement in abilities may be required
Oral Comprehension	12.5	13.2	10.7	<	Some improvement in abilities may be required
Finger Dexterity	7.6	12.9	14.1	0	Current ability level may be sufficient
Speech Recognition	9.9	12.3	7.0	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	11.6	9.2	<	Some improvement in abilities may be required
Speech Clarity	10.2	11.2	8.5	<<	Extensive improvement in abilities may be required
Problem Sensitivity	11.1	11.1	9.7	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	10.6	12.0	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 35
Focus Occupation: Dental Laboratory Technicians (51-9081) Associated Occupation: Prosthodontists (29-1024)		
Work Activities		Exclusivity of Activity
Understand technical operating, service or repair manuals		6

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92	
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Focus Occupation: Dental Laboratory Technicians (51-9081)
Associated Occupation: Prosthodontists (29-1024)

Tools and Technologies	Exclusivity
Cameras	2
Computers	1
Content authoring and editing software	1
Cosmetic dentistry equipment and supplies	56
Dental and subspecialty instruments and devices	37
Dental fillers and finishing and polishing supplies	47
Dental impression and forming equipment and supplies	56
Dental laboratory and sterilization equipment and supplies	62
Laboratory baths	24
Laboratory heating and drying equipment	13
Orthodontic and prosthodontic equipment and supplies	62
Viewing and observing instruments and accessories	4

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.